

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic signal to provide "flashing red arrow" operations for eastbound and westbound US 50 at the intersection with MD 331 in Easton, Maryland. US 50 is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- The intersection will operation in a NEMA 6-phase, semi-actuated mode with exclusive-permissive flashing red arrow left turn phasing for the US 50 approaches and split phase operations for the MD 331 approaches.
- The existing NEMA full-traffic-actuated, eight (8) phase controller housed in a NEMA 6 base mounted cabinet is utilized at this location.

NOTES

- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT 2

MR. TERRY O. WRIGHT
DISTRICT ENGINEER
410-810-3210

MR. JEFFREY WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-810-3240

MR. BARRY CLOTHIER
UTILITY ENGINEER
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MR. WM NORRIS EMBERT
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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MR. MIKE LEWIS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-810-3250

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

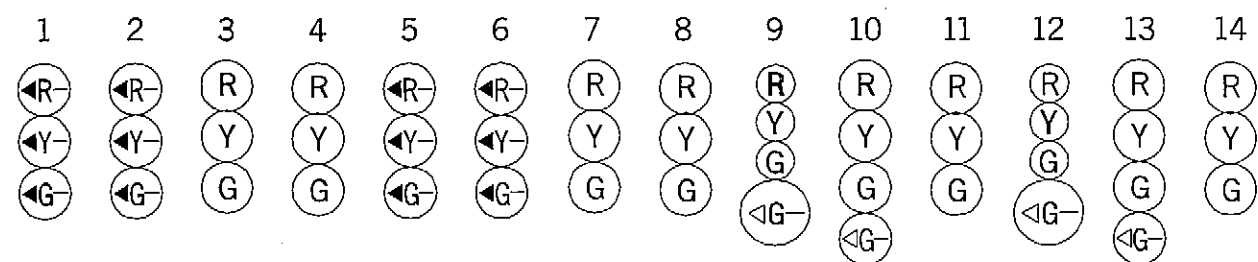
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9572	SHEET ALUMINUM SPAN MOUNTED SIGNS CONSISTING OF: R10-12 (2) (48"X36") SPAN MOUNT (2 EA)	SF	24

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8001	12 INCH LED SIGNAL HEAD	EA	18
8023	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	EA	1
8040	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	SF	24
8055	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	430

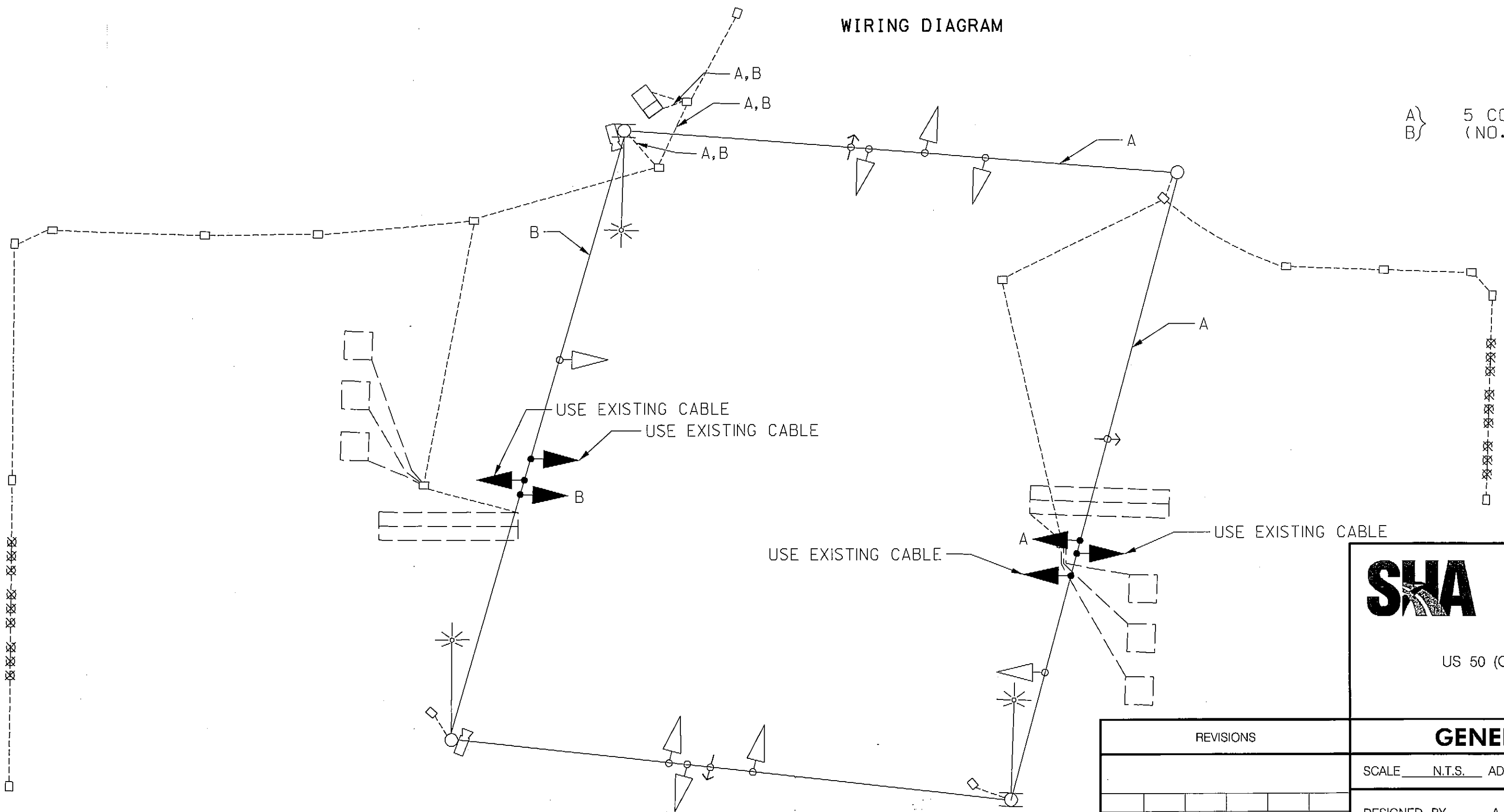
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART



PHASE 1 AND 5	← G ← G R R ← G ← G R R R R R R R R	↑
1 AND 5 MAY CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6		
PHASE 1 AND 6	← G ← G G G ← R ← R R R R R R R R R	↑
1 CHANGE	← Y ← Y G G ← R ← R R R R R R R R R	↑
PHASE 2 AND 5	← FLR ← FLR R R ← FLR ← FLR G G R R R R R R R	↑
5 CHANGE	← FLR ← FLR R R ← FLR ← FLR G G R R R R R R R	↑
PHASE 2 AND 6	← R ← R G G ← R ← R G G R R R R R R R	↑
2 AND 6 CHANGE	← R ← R Y Y ← R ← R Y Y R R R R R R R	↑
PHASE 3	← R ← R R R ← R ← R R R ← GG ← GG ← GG R R R	↑
3 CHANGE	← R ← R R R ← R ← R R R Y Y Y Y R R R	↑
PHASE 4	← R ← R R R ← R ← R R R R R R R ← GG ← GG ← GG	↑
4 CHANGE	← R ← R R R ← R ← R R R R R R Y Y Y Y	↑
FLASHING OPERATION	← FLR ← FLR FL Y FL Y ← FLR ← FLR FL Y FL Y FL R FL R FL R FL R FL R FL R	↑

WIRING DIAGRAM



KEY
A) 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B)

TOD NO: XX661-31
SHA NO: TA301853
US 50 @ MD 331



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 (OCEAN GATEWAY) AT MD 331 (DOVER ROAD)
EASTON, MARYLAND

GENERAL INFORMATION SHEET

SCALE	N.T.S.	ADVERTISED DATE	OCTOBER 2012	CONTRACT NO.	XX6615185
DESIGNED BY	A. GRIFFIN	COUNTY	TALBOT		
DRAWN BY	A. GRIFFIN	LOGMILE	20005011.49		
CHECKED BY	S. DU	TIMS NO.	L564		
F.A.P. NO.		TOD NO.			
TS NO. 538		DRAWING	SG-02	OF 02	SHEET NO. 2 OF 2

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PLOTTED: Wednesday, October 17, 2012 AT 09:18 AM
FILE: R:\2008\78 SHA BCS 2008-GA\TOD DESIGN_STV_IV_SSA\Task 221 US 50 at MD 331\DWG\pSG-N001_L564.dgn